

Converting Colors

CIELCh(17, 12.021, 342.999)

Have a look what the booklet for
CIELCh(17, 12.021, 342.999)
contains.

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Color

CIELCh(17, 12.090, 343.725)

Conversions

Conversions Part 1

Format	Color
Hex	38242F
RGB	56, 36, 47
RGB Percent	22%, 14%, 18%
CMY	0.7806, 0.8590, 0.8159
CMYK	0.00, 0.36, 0.16, 0.78
HSL	327°, 22%, 18%
HSV	327°, 36%, 22%
XYZ	2.7688, 2.3023, 2.9819
YIQ	43.2340, 8.3890, 7.6610

Conversions

Conversions Part 2

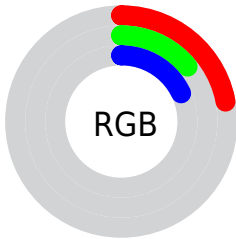
Format	Color
R _Y B	56, 36, 47
Decimal	3679279
CIE Lab	17.00, 11.61, -3.39
CIE LCh	17, 12.090, 343.725
Yxy	2.3023, 0.3438, 0.2859
Android (android.graphics.Color)	4281869359 (0xFF38242F)
YUV	43.2340, 1.8566, 11.1958
Hunter-Lab	15.1734, 6.0188, -1.0303

Details

The CIELCh color **17, 12.090, 343.725** is a dark color, and the websafe version is hex **333333**. A complement of this color would be **22, 11.747, 158.304**, and the grayscale version is **18, 0.003, 296.813**.

A 20% lighter version of the original color is **37, 11.912, 342.944**, and **0, 0.000, 0.000** is the 20% darker color. If you saturate the color by 10%, you get **15, 15.444, 344.656**, and if you desaturate by 10%, it is **19, 8.679, 342.884**.

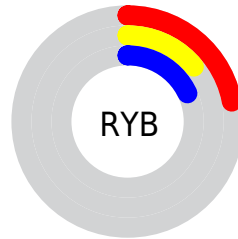
Distribution



Red (22%)

Green (14%)

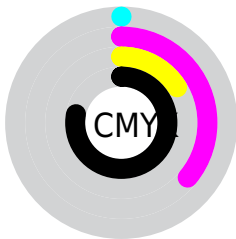
Blue (18%)



Red (22%)

Yellow (14%)

Blue (18%)

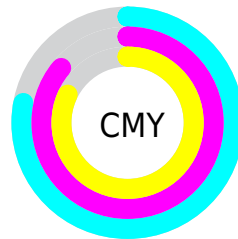


Cyan (0%)

Magenta (36%)

Yellow (16%)

Black (78%)



Cyan (78%)

Magenta (86%)

Yellow (82%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 17, 12.090, 343.725 changes by changing the brightness by 10 percent. The first figure shows a shift by +10% for each color and the second figure -10%.

Similar to the brightness gradients but the following saturation gradients show a change of the CIELCh color 17, 12.090, 343.725 by changing the saturation by 10% instead.

■ 17, 12.090,
343.725

■ 17, 12.090,
343.725

■ 100, 12.090,
343.725

■ 7, 12.090, 343.725

■ 37, 12.090,
343.725

■ 0, 12.090, 343.725

■ 47, 12.090,
343.725


■ 57, 12.090,
343.725


■ 67, 12.090,
343.725


■ 77, 12.090,
343.725


■ 87, 12.090,

343.725


 97, 12.090,
343.725

 17, 12.090,
343.725


 17, 12.090,
343.725

 15, 15.444,
344.656


 19, 8.679, 342.884

 14, 18.663,
345.699


 21, 5.271, 342.108

 12, 21.641,
346.891


 22, 1.906, 341.351

 11, 24.257,
348.280

 26, 4.608, 160.207

 10, 26.442,
349.887

 28, 7.734, 159.625

 30, 10.769,

■ 9, 28.803, 351.293 159.086

■ 8, 29.931, 351.794 ■ 32, 13.714,
158.582

■ 34, 16.571,
158.108

Harmonies

Complementary

The Complementary color scheme is a pair of colors which are on the opposite of each other on the color wheel.



17, 12.090, 343.725



22, 11.747, 158.304

Rectangle

The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



17, 12.090, 343.725



17, 12.090, 33.725



17, 12.090, 163.725



17, 12.090, 213.725

Sweetspot

The Sweet Spot groups the original color and five complimentary colors.



17, 12.089, 343.726



29, 4.634, 341.796



16, 14.576, 308.341



14, 3.145, 341.821



68, 0.008, 296.813



15, 0.003, 296.813

Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



17, 12.089, 343.726



22, 18.337, 344.604



17, 10.203, 16.870



9, 1.847, 341.554



18, 41.085, 354.639



48, 76.406, 357.797

Inverse Universe

The Inverse Universe completely reimagines the original color for something new.



17, 12.089, 343.726



22, 18.337, 344.604



22, 8.507, 191.768



9, 1.847, 341.554



18, 41.085, 354.639



48, 76.406, 357.797

Previews

White Background



This preview shows how the CIE LCh color 17, 12.090, 343.725 looks on a white background.

Color Contrast Check

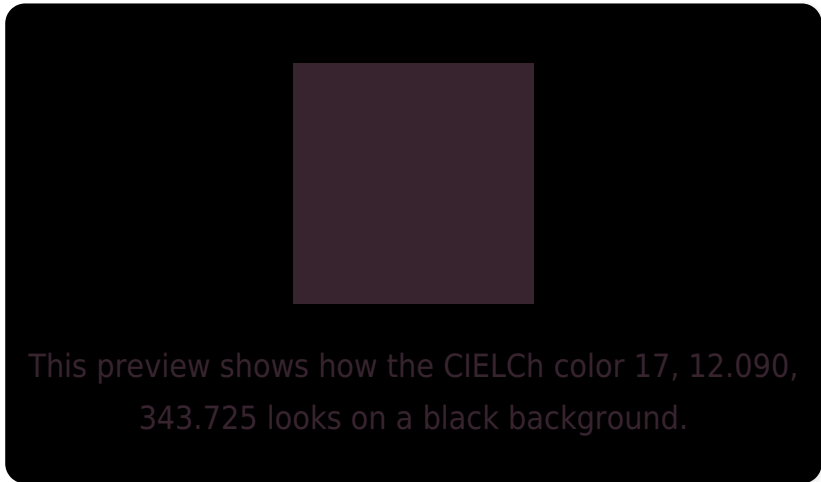
Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

Black Background



Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

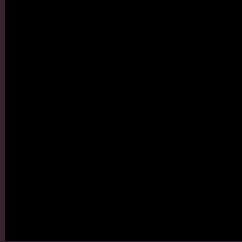
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 17, 12.090, 343.725

Background



This preview shows how black text looks on a background with the CIELCh color 17, 12.090, 343.725.



This preview shows how white text looks on a background with the CIELCh color 17, 12.090, 343.725.

Color Blindness Simulation

Color vision deficiency is a very complex topic, and I could not describe the different causes any better than Wikipedia does, so if you want to learn more, you should check out their [article about color blindness](#).

Dichromacy



Original Color

17, 12.090, 343.725

Protanopia

17, 6.296, 283.758

Deuteranopia

17, 3.970, 319.184



Tritanopia
17, 9.193, 8.806

Trichromacy



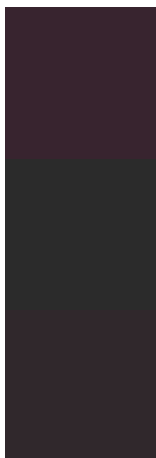
Original Color
17, 12.090, 343.725

Protanomaly
17, 7.513, 313.189

Deuteranomaly
17, 6.801, 335.447

Tritanomaly
17, 9.676, 356.657

Monochromacy



Original Color
17, 12.090, 343.725

Achromatopsia
18, 0.003, 296.813

Achromatomaly
17, 4.746, 344.793

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 17, 12.090, 343.725 is called "color". The color property can be set on classes, ids or directly on the HTML element.

This example shows how text in the color `rgb(56, 36, 47)` looks like.

```
.text, #text, p{  
    color:rgb(56, 36, 47)  
}
```

If you want to add a text shadow in that color use the text-shadow property, you can generate a text shadow directly with our [CSS Text Shadow Generator](#).

Here you see how black text with a 4 pixel rgb(56, 36, 47) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(56, 36, 47) }
```

Border

The CSS property to change the border of an element to CIELCh 17, 12.090, 343.725 is called "border". The border property can be set on classes, ids or directly on the HTML element.

This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(56, 36, 47) }
```

If only the border color should be changed use the property `border-color`.

```
.border{ border-color:rgb(56, 36, 47) }
```

If you want to add a box shadow in that color use:

Here you see how a box with a 4 pixel `rgb(56, 36, 47)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(56, 36, 47); -webkit-box-  
shadow:4px 4px 4px 4px rgb(56, 36, 47);  
box-shadow:4px 4px 4px 4px rgb(56, 36, 47)  
}
```

Background

The CSS property to change the background color of an element to CIELCh 17, 12.090, 343.725 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(56, 36, 47) }
```

If only the background color should be changed can be used:

```
.background{ background-color: rgb(56, 36,  
47) }
```

This example shows the color as background, it is applied via the CSS property "background".

To optimize and compress your CSS code, you can use our [online CSS compressor and optimizer](#) based on csstidy. If you want to create a linear or radial gradient as background or border, check our [CSS Gradient Generator](#).

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